

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:  
 Date: May 11, 2004 Name: Susan D. Reinecke Signature: *Susan D. Reinecke*

**BRINKS  
HOFFER  
GILSON  
& LIONE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Appln. of: **David H. Griesinger**

Appln. No.: **10/810,989**

Examiner: **TBA**

Filed: **March 26, 2004**

Art Unit: **0**

For: **SURROUND DETECTION SYSTEM**

Attorney Docket No: **11336/699 (P02056US U3C)**

Mail Stop Amendment  
 Commissioner for Patents  
 P. O. Box 1450  
 Alexandria, VA 22313-1450  
 Sir:

**TRANSMITTAL**

**Attached is/are:**

- ☒ Transmittal Letter (1 page); Information Disclosure Statement (5 pages); PTO 1449 form (3 pages); copies of references A1-A35.
- ☒ Return Receipt Postcard with sufficient postage.

**Fee calculation:**

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).
- ☐ A petition or processing fee in an amount of \$\_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_\_).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

**Fee payment:**

- ☐ A check in the amount of \$\_\_\_\_\_ to cover the above-identified fee(s) is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Date

5/11/04

*Susan D. Reinecke*  
 Susan D. Reinecke (Reg. No. 40,198)

Brinks Hofer Gilson & Lione  
 P.O. Box 10395  
 Chicago, IL 60610



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May 11, 2004

Date of Deposit

Susan D. Reinecke, Reg. No. 40,198

Name of Applicant, Assignee or  
Registered Representative

Susan D. Reinecke

Signature

May 11, 2004

Date of Signature

Our Case No.: 11336/699 (P02056US U3C)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David H. Griesinger

Serial No.: 10/810,989

Filing Date: March 26, 2004

For: SURROUND DETECTION SYSTEM

Examiner: TBA

Group Art Unit No.: TBA

## INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

### US PATENT DOCUMENTS

DOCUMENT NUMBER Number-Kind Code (if known)	DATE	NAME
4,862,502	8/29/1989	Griesinger
5,109,419	4/28/1992	Griesinger
5,136,650	8/04/1992	Griesinger
5,161,197	11/03/1992	Griesinger
5,796,844	8/18/1998	Griesinger
5,870,480	2/09/1999	Griesinger
US 2003/0206639 A1	11/06/2003	Griesinger
US 2004/0005064 A1	1/08/2004	Griesinger
US 2004/0005065 A1	1/08/2004	Griesinger
US 2004/0022392 A1	2/05/2004	Griesinger
US 6,683,962 B1	1/27/2004	Griesinger
US 6,697,491 B1	2/24/2004	Griesinger

### OTHER REFERENCES

Griesinger, David, "Practical Processors and Programs for Digital Reverberation", <i>Proceedings of the AES 7<sup>th</sup> International Conference of the Audio Engineering Society</i> , Toronto, May 1989, pp 187-195.
Griesinger, David, "Multichannel Matrix Surround Decoders for Two-Eared Listeners", <i>Presented at the 101<sup>st</sup> Convention of the Audio Engineering Society</i> , Los Angeles, Nov. 8-11, 1996, Preprint # 4402, 21 pages.
Griesinger, David, "Spaciousness and Envelopment in Musical Acoustics", <i>Presented at the 101<sup>st</sup> Convention of the Audio Engineering Society</i> , Los Angeles, Nov. 8-11 1996, Preprint # 4401, 23 pages.
Griesinger, David, "Speaker Placement, Externalization, and Envelopment in Home Listening Rooms", <i>Presented at the 105<sup>th</sup> Convention of the Audio Engineering Society</i> , San Francisco, 1998, Preprint # 4860, 48 pages.
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Griesinger, David "Theory and Design of a Digital Audio Processor for Home Use", <i>J. Audio Eng. Soc.</i> , Vol. 37, No. 1/2, 1989, pp 40-50.
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Griesinger, David, "Improving Room Acoustics Through Time Variant Synthetic Reverberation", <i>Presented at the 90<sup>th</sup> Convention of the Audio Engineering Society</i> , Paris, Feb. 1991, reprint # 3014, 27 pgs.
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Griesinger, David, "The Psychoacoustics of Apparent Source Width, Spaciousness and Envelopment in Performance Spaces", <i>Acta Acoustics</i> , Vol. 83, 1997, pp 721-731.
Griesinger, David, "Surround: The Current Technological Situation", <i>SMPTE Journal</i> , 2001, pp 857-866.
Griesinger, David, "Feedback Reduction and Acoustic Enhancement Using An Inexpensive Digital Sound Processor", <i>Presented at the 15<sup>th</sup> International Congress on Acoustics</i> , Trondheim, June 1995, pp 473-476.
Griesinger, David, "The Science of Surround", <i>Presentation material from a speech given at McGill University</i> , copyright by David Griesinger, September 1999, 69 pages.
Griesinger, David, "Recent Experiences With Electronic Acoustic Enhancement in Concert Halls and Opera Houses", material from David Griesinger's Internet Home Page, obtained from the Internet at: < <a href="http://www.world.std.com/~griesngr...">www.world.std.com/~griesngr...</a> >, undated but prior to May 2002, 9 pages.
Griesinger, David, "The Theory and Practice of Perceptual Modeling – How to use Electronic Reverberation to Add Depth and Envelopment Without Reducing Clarity", material from David Griesinger's Internet Home Page, obtained from the Internet at: < <a href="http://www.world.std.com/~griesngr...">www.world.std.com/~griesngr...</a> >, undated but prior to May 2002, 28 pages.
Griesinger, David, "Internet Home Page", obtained from the Internet at: < <a href="http://www.world.std.cpm/~griesngr/">www.world.std.cpm/~griesngr/</a> >, printed on April 26, 2004.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from the Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.


This application is a continuation application of U.S. Serial No.10/428,405, filed May 2, 2003 and is relied upon for an earlier filing dated under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) each reference cited in this Information Disclosure Statement was previously cited and submitted to the Patent and Trademark Office in the prior application Serial No. 10/428,405. Copies of each reference are enclosed herewith for the convenience of the Examiner.

Applicant respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

10/810,989

11336/699 (P02056US U3C)

  
Susan D. Reinecke  
Registration No. 40,198

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FORM PTO-1449	SERIAL NO. 10/810,989	CASE NO. 11336/699 (P02056US U3C)
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE March 26, 2004	GROUP ART UNIT TBA
(use several sheets if necessary)	APPLICANT(S): David H. Griesinger	

### REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,862,502	8/29/1989	Griesinger		
	A2	5,109,419	4/28/1992	Griesinger		
	A3	5,136,650	8/04/1992	Griesinger		
	A4	5,161,197	11/03/1992	Griesinger		
	A5	5,796,844	8/18/1998	Griesinger		
	A6	5,870,480	2/09/1999	Griesinger		
	A7	US 2003/0206639 A1	11/06/2003	Griesinger		
	A8	US 2004/0005064 A1	1/08/2004	Griesinger		
	A9	US 2004/0005065 A1	1/08/2004	Griesinger		
	A10	US 2004/0022392 A1	2/05/2004	Griesinger		
	A11	US 6,683,962 B1	1/27/2004	Griesinger		
	A12	US 6,697,491 B1	2/24/2004	Griesinger		

### FOREIGN PATENT DOCUMENTS

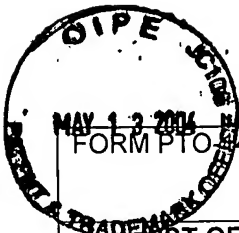
EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	A					
	A					

### OTHER ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL		(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.
	A13	Griesinger, David, "Practical Processors and Programs for Digital Reverberation", <i>Proceedings of the AES 7<sup>th</sup> International Conference, Audio Engineering Society, Toronto, May 1989, pp 187-195.</i>
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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	A29	Griesinger, David, "The Psychoacoustics of Apparent Source Width, Spaciousness and Envelopment in Performance Spaces", <i>Acta Acoustics</i> , Vol. 83, 1997, pp 721-731.
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MAY 13 2004

Page 3 of 3

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	A31	Griesinger, David, "Feedback Reduction and Acoustic Enhancement Using An Inexpensive Digital Sound Processor", <i>Presented at the 15<sup>th</sup> International Congress on Acoustics</i> , Trondheim, June 1995, pp 473-476.
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	A35	Griesinger, David, "Internet Home Page", obtained from the Internet at: <www.world.std.cpm/~griesngr/>, printed on April 26, 2004.

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